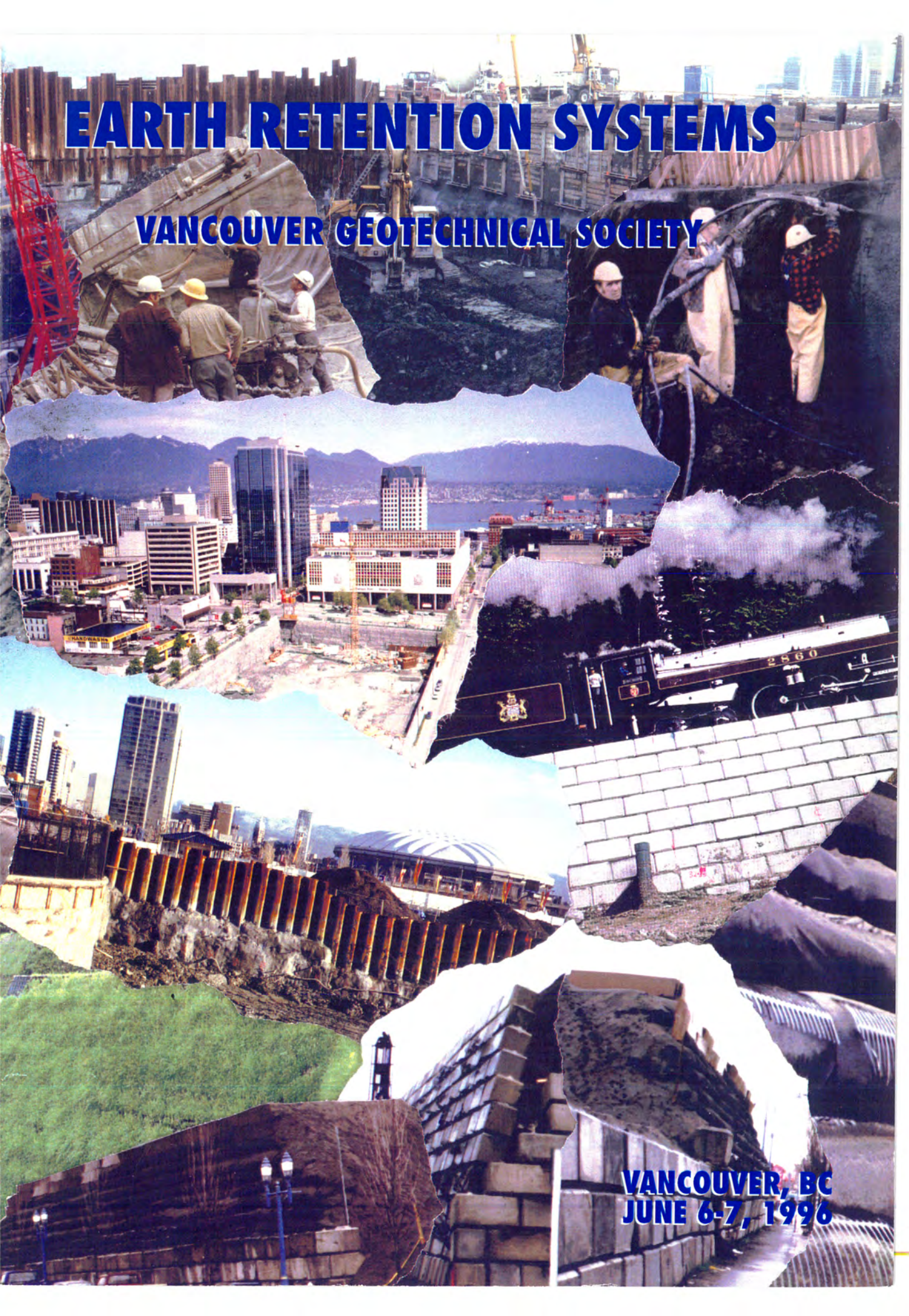


EARTH RETENTION SYSTEMS

VANCOUVER GEOTECHNICAL SOCIETY



VANCOUVER, BC
JUNE 6-7, 1996



VANCOUVER GEOTECHNICAL SOCIETY

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The Canadian Geotechnical Society / La Société Canadienne de Géotechnique

EARTH RETENTION SYSTEMS
10th ANNUAL VANCOUVER GEOTECHNICAL SOCIETY SYMPOSIUM
VANCOUVER, B.C., CANADA, JUNE 6th AND 7th, 1996

PRE-SYMPOSIUM DINNER-TALK

Thursday, June 6th, 1996

- | | |
|---------------|---|
| 17:30 - 18:00 | <i>Registration and no-host bar</i> |
| 18:00 - 19:30 | Seismic Design and Performance of Geosynthetic Reinforced Segmental Retaining Walls
R.J. Bathurst, Z. Cai, and M. Pelletier |
| 19:30 - 21:30 | <i>Dinner</i> |

SYMPOSIUM PROGRAMME

Friday, June 7th, 1996

- | | |
|---------------|---|
| 07:30 - 08:20 | <i>Registration and Coffee</i> |
| 08:20 - 08:30 | <i>Opening Remarks</i> |
| 08:30 - 09:30 | <i>Keynote Address</i>
Designing Retaining Structures Against the Effects of Earthquakes
Professor R.V. Whitman |
| 09:30 - 10:00 | Tieback Anchors for Bulkhead Rehabilitation at Port Facility
T.M. Gurtowski, S. Puri, D. Swanson |
| 10:00 - 10:20 | <i>Coffee, Posters and Displays</i> |
| 10:20 - 10:50 | Cast-in-Place Tied-back Pile Wall Installed to Resist Coastal Erosion and Earthquake Forces, Cordova Bay Road, Victoria, B.C.
G.F. Buck and S.M. Bean |
| 10:50 - 11:20 | Seismic Soil Pressures Against Vertical Rigid Walls
Guoxi Wu |
| 11:20 - 11:50 | Basement Wall With Seismic Earth Pressures and Novel Expanded Polystyrene Foam Buffer Layer
D. Inglis, G. Macleod, E. Naesgaard, and M. Zergoun |
| 12:00 - 14:00 | <i>Lunch, Posters and Displays</i> |

SYMPOSIUM PROGRAMME (continued)

Friday, June 7th, 1996

- 14:00 - 14:30 **Building a Complex Shoring and a Double Trenchless Channel with the Help of Jet-Grouting**
F. Oboni
- 14:30 - 15:00 **Earth Retention Using Vegetation**
R. Bowden
- 15:00 - 15:20 *Coffee, Posters and Displays*
- 15:20 - 15:50 **Reticulated Micropiles Structures for Earth Retention, A Case Study**
G. Ueblacker
- 15:50 - 16:20 **Case History of Library Square Excavation in Downtown Vancouver**
R. Hillaby
- 16:20 - 16:50 **Case Histories of Temporary and Permanent Retaining Structures in the Lower Mainland**
R. Williams and J. Howie
- 16:50 - 17:00 *Closing Remarks*

POSTER PRESENTATIONS

Soil Nailing for Public Estates in Hong Kong

Y. A. Ho and M. Chan

A "No Pressure" Tire Wall: A Case History

G. Mann

Design Charts for Stability Analysis of Slopes Reinforced with Extensible Reinforcement Based on a Circular Slip Surface

P. Quinn

Introductory Remarks

Earth retention systems are of considerable interest to geotechnical practitioners in both the urban environment and mountainous terrain, both common in the Vancouver area. This symposium is an occasion for practitioners to share lessons learned from case histories and studies on the topic. The Symposium Organizing Committee thanks all authors who donated their time to prepare the papers and presentations.

Discussion on the papers in these proceedings may be submitted to the Symposium Chairman at the address given below by July 8th, 1996. Replies will be invited from the authors, and discussions and replies will be mailed to registered Symposium participants by August 31st, 1996.

The Vancouver Geotechnical Society accepts no responsibility for statements or opinions expressed by an author. Publication of a paper in these proceedings does not imply endorsement by the Vancouver Geotechnical Society.

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